

# ProfDr Hadiyanto

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

186  
papers

1,411  
citations

19  
h-index

31  
g-index

223  
ext. papers

1,905  
ext. citations

1.6  
avg, IF

5.19  
L-index

#	Paper	IF	Citations
186	Quantum yield optimization of carbon dots using response surface methodology and its application as control of Fe <sup>3+</sup> -ion levels in drinking water. <i>Materials Research Express</i> , <b>2022</b> , 9, 015702	1.7	1
185	Geothermal solid waste derived Ni/Zeolite catalyst for waste cooking oil processing. <i>Chemosphere</i> , <b>2022</b> , 286, 131618	8.4	7
184	Response surface optimization of microalgae microbial fuel cell (MMFC) enhanced by yeast immobilization for bioelectricity production. <i>Chemosphere</i> , <b>2022</b> , 287, 132275	8.4	6
183	Microbial fuel cells for bioelectricity production from waste as sustainable prospect of future energy sector. <i>Chemosphere</i> , <b>2022</b> , 287, 132285	8.4	13
182	The flocculation process of <i>Chlorella</i> sp. using chitosan as a bio-flocculant: Optimization of operating conditions by response surface methodology. <i>Current Research in Green and Sustainable Chemistry</i> , <b>2022</b> , 5, 100291	4.1	2
181	Catalyst-Based Synthesis of 2,5-Dimethylfuran from Carbohydrates as a Sustainable Biofuel Production Route. <i>ACS Sustainable Chemistry and Engineering</i> , <b>2022</b> , 10, 3079-3115	8.3	8
180	Optimization of biodiesel production from waste cooking oil using Fe <sub>2</sub> O <sub>3</sub> /HAP catalyst via simultaneous esterification-transesterification reaction. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2022</b> , 44, 4050-4061	1.6	0
179	Cultivating Microalgae <i>Botryococcus braunii</i> in Tofu Whey Medium <b>2022</b> , 1, 12-19		1
178	The Opportunities of Cleaner Production in <i>Carica</i> ( <i>Carica pubescens</i> ) Industry to Reduce Hazardous Waste <b>2022</b> , 1, 20-26		
177	Evaluation Of <i>Spirulina</i> , <i>Nannochloropsis</i> , and <i>Chlorella</i> Micro-algae Growth in Palm Oil Mill Effluent (POME) Medium with Variation of Medium Types and Time Adding Nutrient <b>2022</b> , 1, 27-32		1
176	Microplastic Identification in Fisheries Commodities in Sayung Waters, Demak <b>2022</b> , 1, 1-7		
175	Binderless carbon nanotube/carbon felt anode to improve yeast microbial fuel cell performance. <i>Current Research in Green and Sustainable Chemistry</i> , <b>2022</b> , 5, 100323	4.1	0
174	Optimization of light intensity and color temperature in the cultivation of <i>Chlorella vulgaris</i> culture using the Surface Response Method <b>2022</b> , 1, 33-41		1
173	Evaluating the environmental impacts of the multi-feedstock biodiesel production process in Indonesia using life cycle assessment (LCA). <i>Energy Conversion and Management</i> , <b>2022</b> , 266, 115832	10.6	1
172	A Review on the Performance, Combustion, and Emission Characteristics of Spark-Ignition Engine Fueled With 2,5-Dimethylfuran Compared to Ethanol and Gasoline. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , <b>2021</b> , 143,	2.6	17
171	"Biopellet" as One of Future Promising Biomassbased Renewable Energy: a Review. <i>E3S Web of Conferences</i> , <b>2021</b> , 317, 04029	0.5	1
170	Marine ecoregions and subcoregions within Indo-West Australian waters: A statistical approach based on species distributions. <i>Journal of Biogeography</i> , <b>2021</b> , 48, 2246-2257	4.1	0

169	Influence of Various Basin Types on Performance of Passive Solar Still: A Review. <i>International Journal of Renewable Energy Development</i> , <b>2021</b> , 10, 789-802	1.5	6
168	Revitalization of Coastal Java Society's Traditional Art in Multimedia Form. <i>International Journal of Social Ecology and Sustainable Development</i> , <b>2021</b> , 12, 21-32	0.4	
167	Improvements in thermal efficiency of onion slice drying by exhaust air recycling. <i>Cogent Engineering</i> , <b>2021</b> , 8, 1920562	1.5	1
166	The Ability of Water Hyacinth ( <i>Eichhornia crasipes</i> Mart.) and Water Lettuce ( <i>Pistia stratiotes</i> Linn.) for Reducing Pollutants in Batik Wastewater. <i>E3S Web of Conferences</i> , <b>2021</b> , 226, 00010	0.5	1
165	PENGARUH KATALIS GENTENG TANAH LIAT DALAM PRODUKSI BAHAN BAKAR CAIR DARI LIMBAH BAN BEKAS DENGAN PROSES PIROLISIS. <i>Jurnal Energi Baru Dan Terbarukan</i> , <b>2021</b> , 1, 51-58	0.3	0
164	Pyrolysis of Water Hyacinth [ <i>Eichhornia crassipes</i> (Mart.) Solms] for Liquid Smoke Production. <i>E3S Web of Conferences</i> , <b>2021</b> , 226, 00038	0.5	
163	Analysis slope stability based on physical properties in Cepoko Village, Indonesia. <i>Cogent Engineering</i> , <b>2021</b> , 8, 1940637	1.5	
162	EFEKTIVITAS LIMBAH KULIT NANAS MADU KERING ( <i>Ananas Comosus</i> L.Merr) UNTUK PEMBUATAN BIOETANOL DENGAN PROSES FERMENTASI DAN DISTILASI. <i>Jurnal Energi Baru Dan Terbarukan</i> , <b>2021</b> , 1, 32-41	0.3	
161	Microalgae Microbial Fuel Cell (MMFC) using <i>Chlorella vulgaris</i> and Batik Wastewater as Bioelectricity. <i>E3S Web of Conferences</i> , <b>2021</b> , 226, 00032	0.5	1
160	Interaction between Styrofoam and Microalgae in Brackish Water System. <i>Toxics</i> , <b>2021</b> , 9,	4.7	3
159	Interactions between polyethylene and polypropylene microplastics and sp. microalgae in aquatic systems. <i>Heliyon</i> , <b>2021</b> , 7, e07676	3.6	7
158	The effect of salinity on the interaction between microplastic polyethylene terephthalate (PET) and microalgae <i>Spirulina</i> sp. <i>Environmental Science and Pollution Research</i> , <b>2021</b> , 1	5.1	0
157	Energy storage onboard zero-emission two-wheelers: Challenges and technical solutions. <i>Sustainable Energy Technologies and Assessments</i> , <b>2021</b> , 47, 101435	4.7	7
156	Optimization of flocculation efficiency and settling time using chitosan and eggshell as bio-flocculant in <i>Chlorella pyrenoidosa</i> harvesting process. <i>Environmental Technology and Innovation</i> , <b>2021</b> , 24, 101959	7	0
155	Vinasse as Cultivation Medium of <i>Chlorella</i> sp. to Produce Polyhydroxy Butyrate in Various Limited Low Cost Primary Nutrient. <i>E3S Web of Conferences</i> , <b>2021</b> , 226, 00018	0.5	
154	Technical and Economic Analysis of Municipal Solid Waste Potential for Waste to Energy Plant (Case Study: Jatibarang Landfill Semarang, Central Java, Indonesia). <i>E3S Web of Conferences</i> , <b>2020</b> , 190, 00027	0.5	2
153	Regional Model Development of Plastic Waste Monitoring: Basic Framework from Population and Public Market in Central Java-Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 448, 012098	0.3	
152	Performance evaluation of yeast-assisted microalgal microbial fuel cells on bioremediation of cafeteria wastewater for electricity generation and microalgae biomass production. <i>Biomass and Bioenergy</i> , <b>2020</b> , 139, 105617	5.3	12

151	Hybrid solar dryer for sugar-palm vermicelli drying. <i>Journal of Food Process Engineering</i> , <b>2020</b> , 43, e13471-4	1.4	2
150	Geothermal industry waste-derived catalyst for enhanced biohydrogen production. <i>Chemosphere</i> , <b>2020</b> , 258, 127274	8.4	5
149	Production of biodiesel from waste cooking oil using heterogeneous catalysts KI/Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Environmental Engineering and Science</i> , <b>2020</b> , 15, 107-112	0.8	2
148	Energy Analysis of a Hybrid Solar Dryer for Drying Coffee Beans. <i>International Journal of Renewable Energy Development</i> , <b>2020</b> , 9, 131-139	1.5	2
147	Multi-Feedstocks Biodiesel Production from Esterification of Calophyllum inophyllum Oil, Castor Oil, Palm Oil and Waste Cooking Oil. <i>International Journal of Renewable Energy Development</i> , <b>2020</b> , 9, 119-123	1.5	9
146	Preparation of KI/Hydroxyapatite Catalyst from Phosphate Rocks and Its Application for Improvement of Biodiesel Production. <i>Molecules</i> , <b>2020</b> , 25,	4.8	5
145	Effects of drying temperature and relative humidity on the quality of dried onion slice. <i>Heliyon</i> , <b>2020</b> , 6, e04338	3.6	18
144	Biocomposite of bacterial cellulose based from yam bean ( <i>Pachyrhizus erosus</i> L. Urban) reinforced by bamboo microfibrillated cellulose through in situ method <b>2020</b> ,		3
143	Assessing Carbon Stock and Sequestration of the Tropical Seagrass Meadows in Indonesia. <i>Ocean Science Journal</i> , <b>2020</b> , 55, 85-97	1.1	17
142	Synthesis and characterization of sodium lignosulfonate surfactant with polyethylene glycol for enhanced oil recovery <b>2020</b> ,		1
141	Analysis of Priority Scale for Watershed Reforestation Using Trapezoidal Fuzzy VIKOR Method: A Case Study in Semarang, Central Java Indonesia. <i>Symmetry</i> , <b>2020</b> , 12, 507	2.7	2
140	The influence of polypropylene- and polyethylene microplastics on the quality of <i>Spirulina</i> sp. harvests. <i>Food Research</i> , <b>2020</b> , 4, 1739-1743	1.5	4
139	Effect of NaOH on biogas production under SSAD conditions along with kinetics studies. <i>Jurnal Ilmu Lingkungan</i> , <b>2020</b> , 18, 319-322	0.4	
138	Kinetic of Biogas Production in a Batch Anaerobic Digestion Process with Interference of Preservative Material of Sodium Benzoate. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2020</b> , 15, 898-906	1.7	
137	Evaluation of polypropylene plastic degradation and microplastic identification in sediments at Tambak Lorok coastal area, Semarang, Indonesia. <i>Marine Pollution Bulletin</i> , <b>2020</b> , 151, 110868	6.7	44
136	Performance study of hybrid solar dryer for cassava starch <b>2020</b> ,		2
135	Rubber wastewater treatment using UV, ozone, and UV/ozone and its effluent potency for microalgae <i>Spirulina platensis</i> cultivation medium. <i>Cogent Engineering</i> , <b>2020</b> , 7, 1797980	1.5	3
134	Bioelectricity production from tofu wastewater using microbial fuel cells with microalgae <i>Spirulina</i> sp as catholyte. <i>E3S Web of Conferences</i> , <b>2020</b> , 202, 08007	0.5	0

133	Study of low head turbine propellers axial flow for use of micro-hydropower plant (MHP) in Aceh, Indonesia. <i>Journal of Physics: Conference Series</i> , <b>2020</b> , 1524, 012019	0.3	
132	Assessing the Environmental Performance of Palm Oil Biodiesel Production in Indonesia: A Life Cycle Assessment Approach. <i>Energies</i> , <b>2020</b> , 13, 3248	3.1	12
131	Energy exergy analysis and mathematical modeling of cassava starch drying using a hybrid solar dryer. <i>Cogent Engineering</i> , <b>2020</b> , 7, 1771819	1.5	6
130	Towards an optimal hybrid solar method for lime-drying behavior. <i>Heliyon</i> , <b>2020</b> , 6, e05356	3.6	0
129	Analysis of Total Mangrove Carbon Stock Degradation in Kendari Bay. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 448, 012026	0.3	1
128	Regional Model of Smart Construction Waste Monitoring: Household Base Framework in Central Java-Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2020</b> , 448, 012079	0.3	
127	Significant differences in invertebrate assemblages between low- and high-uplifted intertidal shores in the Simeulue Island, Indonesia, after a megathrust earthquake of 2004 and 2005. <i>Community Ecology</i> , <b>2020</b> , 21, 79-89	1.2	3
126	Chemical oxygen demand (COD) degradation of herbal, tofu and fertilizer wastewater using UV/Ozone oxidation methods. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1217, 012052	0.3	
125	Microbial degradation of batik waste water treatment in Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 314, 012020	0.3	1
124	Electrogenic and biomass production capabilities of a Microalgae Microbial fuel cell (MMFC) system using tapioca wastewater and <i>Spirulina platensis</i> for COD reduction. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , <b>2019</b> , 1-12	1.6	13
123	Analyzing spatiotemporal types and patterns of urban growth in watersheds that flow into Jakarta Bay, Indonesia. <i>Remote Sensing Applications: Society and Environment</i> , <b>2019</b> , 14, 170-177	2.8	3
122	Effects of Carrageenan and Chitosan as Coating Materials on the Thermal Degradation of Microencapsulated Phycocyanin from <i>Spirulina</i> sp.. <i>International Journal of Food Engineering</i> , <b>2019</b> , 15,	1.9	9
121	Multi-Criteria Decision Making (MCDM ) Approach for Selecting Solar Plants Site and Technology: A Review. <i>International Journal of Renewable Energy Development</i> , <b>2019</b> , 8, 15	1.5	28
120	Pretreatment of Herbal, Tofu and Fertilizer Waste Using UV/Ozon Technique and Its Utilization for <i>Spirulina</i> sp Cultivation. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 248, 012071	0.3	
119	Utilizing Palm Oil Mill Waste for Co-Production of Biogas and Microalgae Biomass. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 248, 012073	0.3	
118	Comparative analysis between pyrolysis products of <i>Spirulina platensis</i> biomass and its residues. <i>International Journal of Renewable Energy Development</i> , <b>2019</b> , 8, 133	1.5	11
117	Synthesis of Zeolite X Molecular Sieve from Geothermal Solid Waste. <i>Materials Today: Proceedings</i> , <b>2019</b> , 13, 137-142	1.4	3
116	Biodiesel Production From Reutealis Trisperma Oil Using KOH Impregnated Eggshell as a Heterogeneous Catalyst. <i>Energies</i> , <b>2019</b> , 12, 3714	3.1	9

115	Analysis of thermal performance of wood and exposed stone-walled buildings in mountainous areas with building envelop variations. <i>Journal of Applied Engineering Science</i> , <b>2019</b> , 17, 321-332	1.2	3
114	Effect of Dilute Acid and Alkaline Pretreatments on Enzymatic Saccharification of Palm Tree Trunk Waste for Bioethanol Production. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2019</b> , 14, 705	1.7	3
113	Production of antioxidant C-phycoyanin using extraction process of <i>Spirulina platensis</i> in large scale industry. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 633, 012025	0.4	4
112	Utilization of carrageenan and chitosan as coating material in phycoyanin encapsulation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2019</b> , 633, 012038	0.4	
111	Performance of Aerobic Microbial Granules in Organic Carbon Removal as a Method in the Treatment of Biodegradable Wastewater. <i>E3S Web of Conferences</i> , <b>2019</b> , 125, 03014	0.5	
110	Effect of frequency, temperature, and time of sonication on xanton content of mangosteen ( <i>Garcinia mangostana</i> L.) peel extract through ultrasound assisted extraction. <i>E3S Web of Conferences</i> , <b>2019</b> , 125, 25006	0.5	2
109	Potential of melanin free ink as antioxidant and its application for preserving and predicting shelf life of salted-boiled milkfish. <i>International Journal of Postharvest Technology and Innovation</i> , <b>2019</b> , 6, 57	0.3	2
108	Implementation of UI GreenMetric at Diponegoro University in order to Environmental Sustainability Efforts. <i>E3S Web of Conferences</i> , <b>2019</b> , 125, 02007	0.5	1
107	Life cycle assessment of biodiesel production from crude palm oil: A case study of three Indonesian biodiesel plants. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 348, 012002	0.3	0
106	Basic Framework of Regional Model for Disaster Waste Estimation and Distribution by Using Spatial Approach in Central Java-Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2019</b> , 396, 012019	0.3	0
105	Energy Balance Calculation with Life Cycle Assessment for Production of Palm Biodiesel in Indonesia. <i>E3S Web of Conferences</i> , <b>2019</b> , 125, 10005	0.5	3
104	Alternatives to groundwater abstraction as a measure to stop land subsidence: a case study of Semarang, Indonesia. <i>E3S Web of Conferences</i> , <b>2019</b> , 125, 01003	0.5	1
103	The nutritional enrichment of dried noodles by using phycoyanin extracted from <i>Spirulina</i> sp as an effort of food fortification. <i>Journal of Physics: Conference Series</i> , <b>2019</b> , 1295, 012036	0.3	2
102	Application of Life Cycle Assessment (LCA) in Sugar Industries. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 04011	0.5	
101	Effect of Melanin Free Ink Extracted From Squid ( <i>Loligo</i> sp.) on Proximate and Sensory Characteristics of Soft-Bone Milkfish ( <i>Chanos chanos</i> ) During Storage. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 116, 012031	0.3	
100	Biogas Production from Rice Husk Waste by using Solid State Anaerobic Digestion (SSAD) Method. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 02007	0.5	9
99	Bioelectricity Production from Microalgae-Microbial Fuel Cell Technology (MMFC). <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 01017	0.3	8
98	Application of Pesticide Phytoremediation in Irrigated Rice Fields System Using Eceng Gondok ( <i>Eichhornia crassipes</i> ) Plants. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 03019	0.5	1

97	Performance Analysis of Solar Tray Dryer for Cassava Starch. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 05008,	4
96	Diatom assemblage in the 24 cm upper sediment associated with human activities in Lake Warna Dieng Plateau Indonesia. <i>Environmental Technology and Innovation</i> , <b>2018</b> , 10, 314-323	7 9
95	Kinetic study on the effects of sugar addition on the thermal degradation of phycocyanin from <i>Spirulina</i> sp.. <i>Food Bioscience</i> , <b>2018</b> , 22, 85-90	4.9 21
94	Climate Change In Indonesia (Case Study : Medan, Palembang, Semarang). <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 09017	0.5 3
93	Pretreatment of Starch-Free Sugar Palm Trunk ( <i>Arenga pinnata</i> ) to Enhance Saccharification in Bioethanol Production. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 01003	0.3 3
92	Performance Evaluation of Pneumatic Dryer for Aren ( <i>Arenga pinnata</i> ) Flour. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 05023	0.3 2
91	Find the future from the past: Paleolimnology in Indonesia. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 08002	0.5 1
90	Estimating Environmental Impact Potential of Small Scale Fish Processing using Life Cycle Assessment. <i>Journal of Ecological Engineering</i> , <b>2018</b> , 19, 65-74	2 4
89	Enhancement of separation performance of asymmetric cellulose acetate membrane for produced water treatment using response surface methodology. <i>Chemical Industry and Chemical Engineering Quarterly</i> , <b>2018</b> , 24, 139-147	0.7 3
88	Optimization of Biogas Production from Rice Husk Waste by Solid State Anaerobic Digestion (SSAD) Using Response Surface Methodology. <i>Journal of Environmental Science and Technology</i> , <b>2018</b> , 11, 147-156	0.6 8
87	Optimization of Cellulase Production by <i>Aspergillus niger</i> ITBCC L74 with Bagasse as Substrate using Response Surface Methodology. <i>HAYATI Journal of Biosciences</i> , <b>2018</b> , 25, 115	1.2 4
86	Preparation and Characterization of Volcanic Ash-chitosan Composite Ceramic Membrane for Clean Water Production. <i>Journal of Environmental Science and Technology</i> , <b>2018</b> , 11, 112-118	0.6 0
85	Optimization of C/N Ratio to Biogas Production from Rice Husk Waste by Using Solid State Anaerobic Digestion (SS-AD). <i>Advanced Science Letters</i> , <b>2018</b> , 24, 9651-9652	0.1
84	Potency of Yeast [Microalgae <i>Spirulina</i> Collaboration in Microalgae-Microbial Fuel Cells for Cafeteria Wastewater Treatment. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 209, 012022	0.3 0
83	Improvement of lipid yield from microalgae <i>Spirulina platensis</i> using ultrasound assisted osmotic shock extraction method. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 102, 012012	0.3
82	The Application Potential of Eco-Efficiency for Greening Company. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 07012	0.5
81	Determination Of Heavy Metals (Pb, Zn, Cd, Cu) of Coastal Urban Area of Semarang Indonesia. <i>E3S Web of Conferences</i> , <b>2018</b> , 73, 03017	0.5 1
80	Flare gas recovery as one of the clean development mechanism (CDM) practices. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 200, 012023	0.3 1

79	The Influence of Microbial Consortium and C/N Ratio to Biogas Production from Rice Husk Waste by Using Solid State Anaerobic Digestion (SS-AD). <i>E3S Web of Conferences</i> , <b>2018</b> , 73, 01018	0.5	
78	Root Uptake and Distribution of Radionuclides <sup>134</sup> Cs and <sup>60</sup> Co in Sunflower Plants ( <i>Helianthus annuus</i> . L). <i>E3S Web of Conferences</i> , <b>2018</b> , 73, 05027	0.5	
77	Encapsulation Rutin with Chitosan-NATPP Using Coaservation Method. <i>Reaktor</i> , <b>2018</b> , 17, 215	0.5	1
76	Thermal degradation kinetics of phycocyanin encapsulation as an antioxidant agent. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 102, 012055	0.3	4
75	Preliminary Design of Industrial Symbiosis of Smes Using Material Flow Cost Accounting (MFCA) Method. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 04008	0.5	
74	The Effectiveness of Using Hyacinth Plant As Phytoremediation Agent On Paper Industry Liquid Waste. <i>E3S Web of Conferences</i> , <b>2018</b> , 73, 07003	0.5	
73	Sustainable use of water resource at North Kendeng Mountain, Central Java, Indonesia. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2018</b> , 191, 012005	0.3	
72	The role of health and safety experts in the management of hazardous and toxic wastes in Indonesia. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 07011	0.5	
71	Production of Biodiesel from Mixed Waste Cooking and Castor Oil. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 03056	0.3	3
70	Ozone Application for Tofu Waste Water Treatment and Its Utilisation for Growth Medium of Microalgae <i>Spirulina</i> sp. <i>E3S Web of Conferences</i> , <b>2018</b> , 31, 03002	0.5	4
69	Characteristics of eugenol loaded chitosan-tripolyphosphate particles as affected by initial content of eugenol and their in-vitro release characteristic. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 349, 012010	0.4	2
68	Improvement the Yoghurt Nutritional Value, Organoleptic Properties and Preferences by <i>Spirulina</i> ( <i>Spirulina platensis</i> ) Supplementation. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2018</b> , 349, 012040	0.4	
67	Modeling and PSO optimization of Humidifier-Dehumidifier desalination. <i>International Journal of Renewable Energy Development</i> , <b>2018</b> , 7, 59	1.5	9
66	Solid-liquid anaerobic baffled reactor treating food waste. <i>MATEC Web of Conferences</i> , <b>2018</b> , 156, 03042	0.3	
65	Response surface optimization of lipid and protein extractions from using ultrasound assisted osmotic shock method. <i>Food Science and Biotechnology</i> , <b>2018</b> , 27, 1361-1368	3	8
64	Encapsulation of phycocyanin-alginate for high stability and antioxidant activity. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 55, 012030	0.3	12
63	Improvement of Stability and Antioxidant Activities by Using Phycocyanin - Chitosan Encapsulation Technique. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 55, 012052	0.3	7
62	Study on the effect of different concentration of <i>Spirulina platensis</i> paste added into dried noodle to its quality characteristics. <i>IOP Conference Series: Earth and Environmental Science</i> , <b>2017</b> , 55, 012068	0.3	3

61	The Physical and Photocatalytic Properties of N-Doped TiO <sub>2</sub> Polycrystalline Synthesized by a Single Step Sonochemical Method at Room Temperature. <i>Materials Science Forum</i> , <b>2017</b> , 890, 121-126	0.4	6
60	Biodiesel Production by Using CaO Catalyst and Ultrasonic Assisted. <i>Journal of Physics: Conference Series</i> , <b>2017</b> , 877, 012037	0.3	3
59	Enhancement of Hybrid SPEEK Based Polymer Cyclodextrin-Silica Inorganic Membrane for Direct Methanol Fuel Cell Application. <i>International Journal of Renewable Energy Development</i> , <b>2017</b> , 6, 165	1.5	1
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57	Preparation of sago starch-based biocomposite reinforced microfibrillated cellulose of bamboo assisted by mechanical treatment <b>2017</b> ,		3
56	The development of heterogeneous catalyst C/CaO/NaOH from waste of green mussel shell ( <i>Perna varidis</i> ) for biodiesel synthesis. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 4559-4563	6.8	28
55	Photocatalytic activity of cobalt-doped zinc oxide thin film prepared using the spray coating technique. <i>Materials Research Express</i> , <b>2017</b> , 4, 076409	1.7	6
54	The Influence of Nitrogen Doping Concentration on the Strain and Band Gap Energy of N-Doped Zinc Oxide Prepared Using Spray Coating Technique. <i>Solid State Phenomena</i> , <b>2017</b> , 266, 141-147	0.4	6
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49	Analysis of Environmental Carrying Capacity Based on Land Balance in Solok Regency, West Sumatra. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 2407-2409	0.1	0
48	Kinetics of Fermentation Process in Bioethanol Production from Solid Waste Bread. <i>Advanced Science Letters</i> , <b>2017</b> , 23, 2521-2523	0.1	1
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46	Rootlike Morphology of ZnO:Al Thin Film Deposited on Amorphous Glass Substrate by Sol-Gel Method. <i>Research Letters in Physics</i> , <b>2016</b> , 2016, 1-7		5
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44	Response Surface Optimization of Ultrasound Assisted Extraction (UAE) of Phycocyanin from Microalgae <i>Spirulina platensis</i> . <i>Emirates Journal of Food and Agriculture</i> , <b>2016</b> , 28, 227	1	24

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38	The effects of temperature and frequencies in ultrasound assisted extraction of phycocyanin from microalgae <i>Spirulina sp</i> <b>2015</b> ,		4
37	Synthesis and characterization of ZnO:TiO <sub>2</sub> nano composites thin films deposited on glass substrate by sol-gel spray coating technique <b>2015</b> ,		4
36	The improvement of phycocyanin stability extracted from <i>Spirulina sp</i> using extrusion encapsulation technique <b>2015</b> ,		3
35	Optimization of Eugenol Extraction from Clove Oil using Response Surface Methodology. <i>Modern Applied Science</i> , <b>2015</b> , 9, 68	1.3	1
34	Synthesized of Double Layer Thin Film ZnO/ZnO:Ag by Sol-Gel Method for Direct Blue 71 Photodegradation. <i>Reaktor</i> , <b>2015</b> , 15,	0.5	7
33	PEMANFAATAN LIMBAH CAIR INDUSTRI TAHU UNTUK PRODUKSI BIOMASSA MIKROALGA <i>Nannochloropsis Sp</i> SEBAGAI BAHAN BAKU BIODIESEL. <i>Reaktor</i> , <b>2015</b> , 15, 253	0.5	1
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29	Comparative Study of Bioactive Substances Extracted from Fresh and Dried <i>Spirulina sp.</i> . <i>Procedia Environmental Sciences</i> , <b>2015</b> , 23, 282-289		40
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27	Utilization of Coconut Milk Skim Effluent (CMSE) as Medium Growth for <i>Spirulina platensis</i> . <i>Procedia Environmental Sciences</i> , <b>2015</b> , 23, 72-77		6
26	Kinetic Study on Ultrasound Assisted Biodiesel Production from Waste Cooking Oil. <i>Journal of Engineering and Technological Sciences</i> , <b>2015</b> , 47, 374-388	2.3	4

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16	Ethanol Production from Whey by <i>Kluyveromyces marxianus</i> in Batch Fermentation System: Kinetics Parameters Estimation. <i>Bulletin of Chemical Reaction Engineering and Catalysis</i> , <b>2013</b> , 7,	1.7	17
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9	Biofixation of Carbon dioxide by <i>Chlamydomonas sp.</i> in a Tubular Photobioreactor. <i>International Journal of Renewable Energy Development</i> , <b>2012</b> , 1, 10-14	1.5	5
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